CLAIMS

1. A foil bearing, comprising:

a stationary mount member surrounding an outer circumferential surface of a journal of a rotating member via an annular gap; and

a plurality of centripetal force producing foils arranged in the annular gap so as to oppose a substantially entire part of the outer circumferential surface of the journal,

wherein the stationary mount member is provided with a plurality of circumferentially arranged through-holes at an axially middle portion thereof,

and wherein the centripetal force producing foils comprise members which are axially spaced apart from each other at a position where the through-holes are located.

2. A foil bearing according to claim 1, wherein at least one of the through-holes extends obliquely with respect to a line perpendicular to a circumference of the stationary mount member.

3. A foil bearing according to claim 1, wherein the through-holes comprise a pair of through-holes extending obliquely with respect to an axis of the stationary mount member and inclined in opposite directions from each other, openings of the pair of through-holes on an inner surface of the stationary mount member being arranged side by side substantially in an axial direction.

4. A foil bearing according to claim 1, wherein the through-holes comprise through-holes which are inclined in opposite axial directions and arranged alternately in a circumferential direction.

5. A foil bearing according to claim 1, wherein a circumferentially extending groove is formed in an inner surface of the stationary mount member at an approximately middle portion thereof.